

2004 SIP Summit

ARCHITECTURAL COATINGS AND SOLVENT CLEANING

January 14, 2004

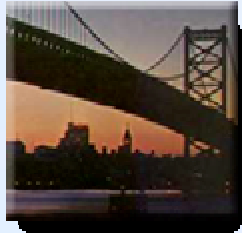


Outline

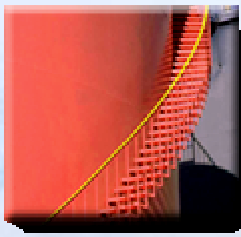
- **Background**
- **Emission inventory**
- **Existing measures**
- **SIP strategies**
- **Other possible measures**



What are Architectural Coatings?



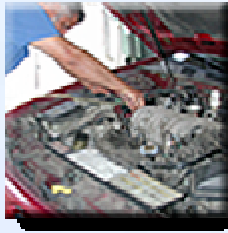
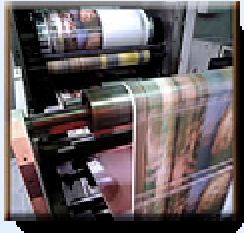
- Coatings applied to stationary structures and their appurtenances, including:



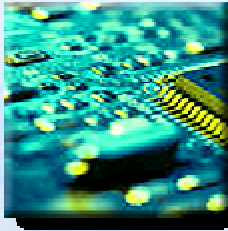
- *Paints*
- *Stains*
- *Industrial maintenance coatings*
- *Traffic coatings*

- Does not include aerosol paints

What is Solvent Cleaning?



- Removal of contaminants, using solvents



- Traditionally high-VOC organic solvents
- New technology allows for use of low-VOC aqueous solvents

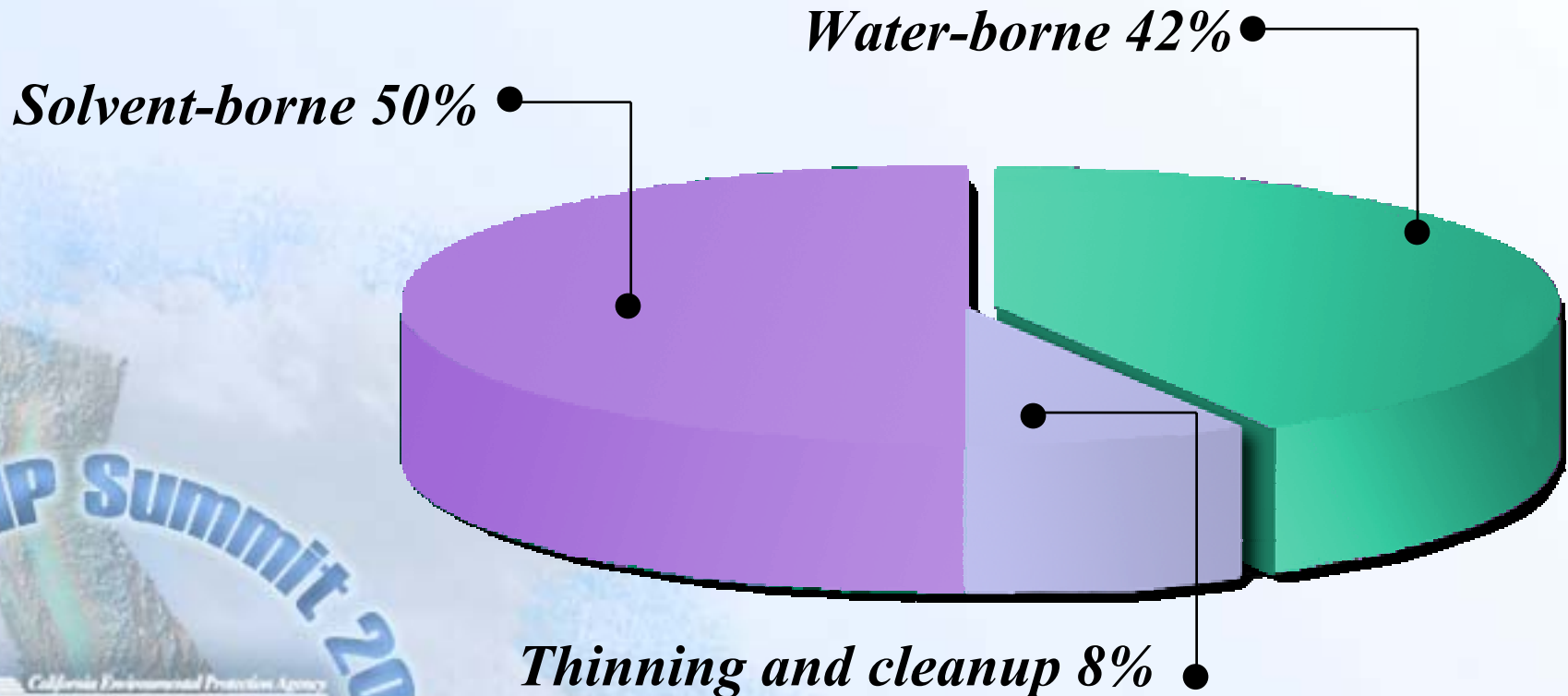
District and ARB Roles

- Local districts adopt measures to further reduce emissions
- ARB assists districts in identifying most effective rules
- ARB developed architectural coatings SCM to promote statewide uniformity



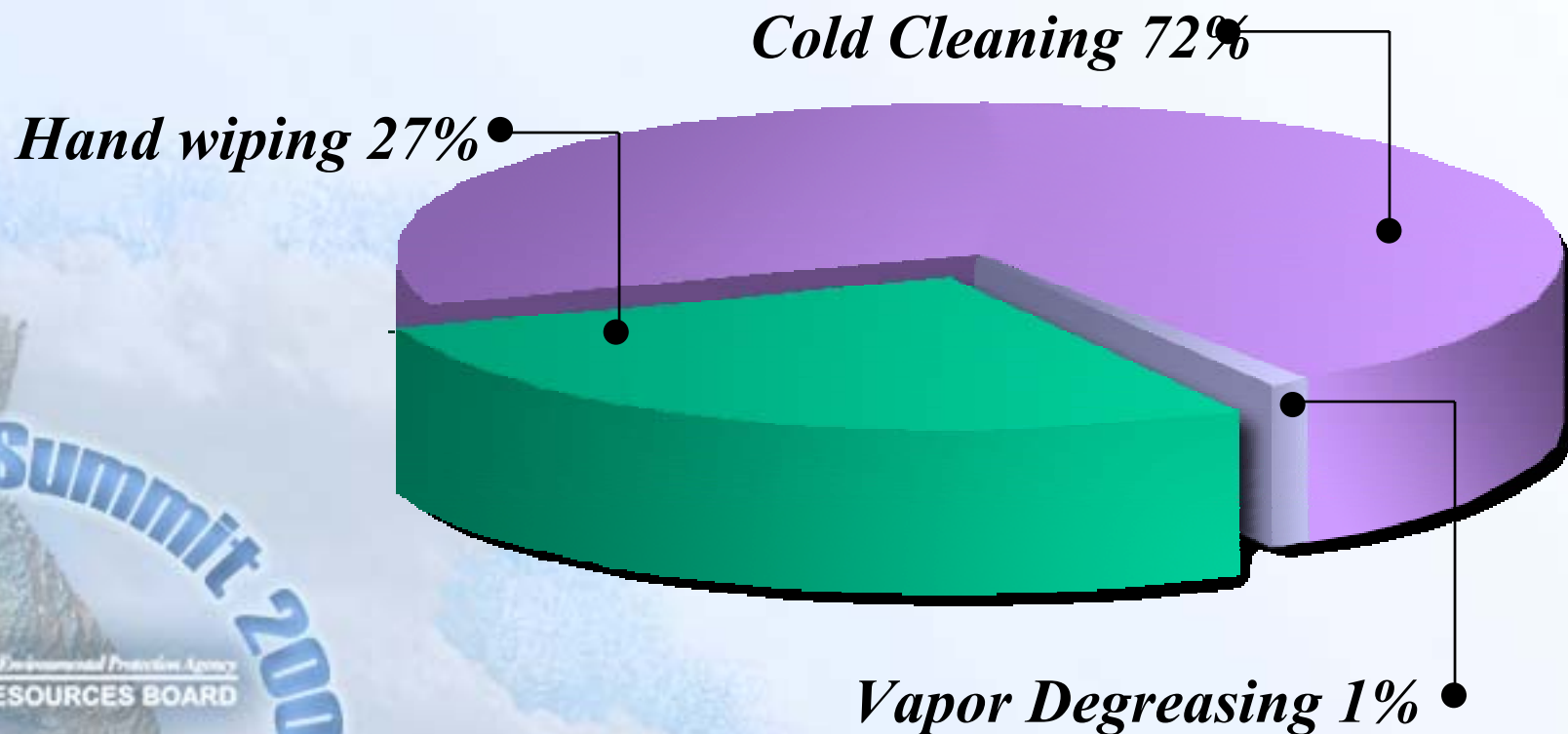
Statewide Architectural Coatings ROG Emissions - 2010

90 tons per day



Statewide Cleaning Solvents ROG Emissions - 2010

40 tons per day

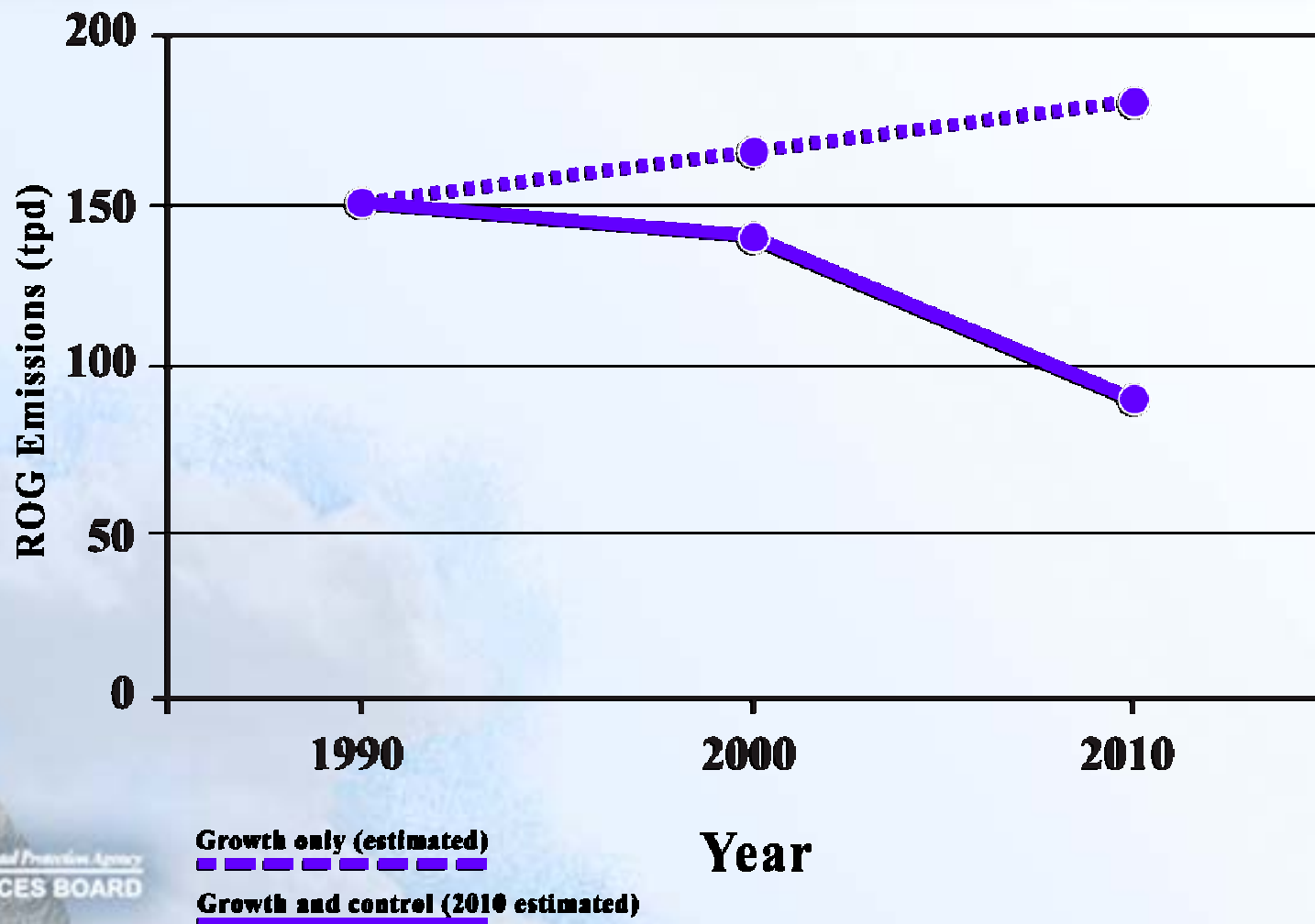


Existing Measures - Local Districts

- Local rules for:
 - *Architectural coatings*
 - *Degreasers*
 - *Other solvent cleaning*
- Permit limits for VOC and toxic emissions
- National rule for halogenated solvents



Architectural Coatings Emissions Trends



SIP Strategies

- **Architectural coatings**
 - *SCAQMD*
 - *Other districts*
- **Solvent cleaning**
 - *SCAQMD*
 - *Other districts*



ARB Assistance and Oversight

- **ARB is facilitating district rules comparison for many categories, including solvent cleaning**
- **ARB will update architectural coatings SCM**



Process to Update Suggested Control Measure

- **Survey architectural coating manufacturers**
- **Conduct technology assessments**
- **Conduct thorough public process**



Architectural Coating Surveys

- **Hundreds of manufacturers**
- **Thousands of products**
- **Data verification**
- **Follow-up**
- **Re-survey in 2005 to capture reformulated products**



Technology Assessments

- Dozens of product categories
- Identify technologies available to formulate lower-polluting products
- Survey data, literature searches, meetings with industry and other agencies, performance testing



Public Process

- **Coordinate with districts**
- **Meet with industry**
- **Multiple public workshops**
- **Staff report and update Program EIR**



Other Possible Strategies

- **Reactivity-based limits**
- **Clean-up solvent limits**



Summary

- **Local districts adopt these control measures**
- **ARB provides districts technical assistance**
- **SCM development is multi-year effort that helps districts and industry**

